BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Construction of Division Office Building in Ward No. 08, Kodigehalli Sub Division. (Phase - 2).

							Estimate Cost Rs.		**1000000.00**
Sl No	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-1.1: Earth work in surface excavation in **ordinary soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, **Page No. 5 / Item No. 2.1 / PWD SR 2015-16**	Cum							
	Building Front		1	14.00	3.50	0.15	7.35		
	Building Right		1	13.00	2.50	0.15	4.88		
	Building Left		1	15.00	3.00	0.15	6.75		
	Building Back		1	23.00	4.00	0.15	13.80		
							32.78	156.88	**5142.00**
	Basic Rate	148.00							
	Area Weightage @ 6%	8.88							
	Total	**156.88**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3 / PWD SR 2015-16**	Cum							
	Building Front		1	14.00	3.50	0.15	7.35		
	Building Right		1	13.00	2.50	0.15	4.88		
	Building Left		1	15.00	3.00	0.15	6.75		
	Building Back		1	23.00	4.00	0.15	13.80		
							32.78	4976.70	**163111.00**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	**4976.70**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1:5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2015-16**	Cum							
	Building Front		1	14.00	3.50	0.10	4.90		
	Building Right		1	13.00	2.50	0.10	3.25		
	Building Left		1	15.00	3.00	0.10	4.50		
	Building Back		1	23.00	4.00	0.10	9.20		
							21.85	4976.70	**108741.00**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	**4976.70**							
4	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs,** landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.29 / PWD SR 2015-16**	Sqm							
	Staircase Room		1	6.10	3.65		22.27		
							22.27	572.40	**12744.00**
	Basic Rate	540.00							
	Area Weightage @ 6%	32.40							
	Total	**572.40**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size** graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3 lts confirming to IS 9103-1999 reaffirmed-2008 , machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13 / Item No. 4.11 / PWD SR 2015-16**	Cum							
	Stair Case Roof		1	6.10	3.65	0.15	3.34		
							3.34	6083.34	**20317.00**
	Basic Rate	5739.00							
	Area Weightage @ 6%	344.34							
	Total	**6083.34**							
6	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2, **Page No. 28 / Item No. 6.17 / PWD SR 2015-16**	Cum							
	Staircase Room Long Wall		2	6.10	0.23	2.20	6.17		
	Short Wall		2	3.19	0.23	2.20	3.23		
							9.40		
	Deduct for Openings Door		1	1.20	0.23	2.10	0.58		
							-0.58		
							8.82	6830.64	**60259.00**
	Basic Rate	6444.00							
	Area Weightage @ 6%	386.64							
	Total	**6830.64**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne							
	For Roof 100 Kg/Cum		0.10	3.34			0.33		
							0.33	68513.10	**22882.00**
	Basic Rate	64635.00							
	Area Weightage @ 6%	3878.10							
	Total	**68513.10**							
8	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement	Sqm							
			1	16.20	12.40		200.88		
							200.88	909.48	**182696.00**
	Basic Rate	858.00							
	Area Weightage @ 6%	51.48							
	Total	**909.48**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 7.10 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick bottom section weight 0.695 Kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m, shutter outer side 40mmx18mm, 1.25mm, thick, weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; and providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading aluminium section anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with	Sqm							
	W		1	1.20		1.20	1.44		
	V		2	0.60		0.45	0.54		
							1.98	3013.58	**5967.00**
	Basic Rate	2843.00							
	Area Weightage @ 6%	170.58							
	Total	**3013.58**							
10	SOLID PANEL PVC DOOR SHUTTER Providing and fixing 30 mm thick factorily made rigid foam panelled door shutters made from M.S Tuvbe of 19 gauge thickeness size 19x19 mm tro styles and 15x15mm for top and bottom rails, coverted with heat moulded PVC channel of 5 mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rails & bottom rail panelling of 5 mm thick 20mm wide PVC sheet fittled in te M.S Frame sealed to the styless & rails with 5 x 30mm PVC sheet beading on ewither sides & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer - in charge fixed to frames with 3 nos, of 75mm Aluminium hinges **Page No. 57 / Item No. 8.83 / PWD 2015-16**	Sqm							
	Door		2	0.75		2.10	3.15		
							3.15	3365.50	**10601.00**
	Basic Rate	3175.00							
	Area Weightage @ 6%	190.50							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**3365.50**							
11	KSRB 15.3.14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.22 / PWD SR 2015-16**	Sqm							
			1	5.64	3.19		17.99		
							17.99	146.28	**2632.00**
	Basic Rate	169.00							
	Area Weightage @ 6%	10.14							
	Total	**179.14**							
12	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.19 / PWD SR 2015-16 (Inside wall)**	Sqm							
	Stair Case		2	5.64		2.20	24.82		
			2	3.19		2.20	14.04		
							38.85		
	Deduct for Openings Door		1	1.20		2.10	2.52		
	W		1	1.20		1.20	1.44		
							-3.96		
							34.89	235.32	**8211.00**
	Basic Rate	222.00							
	Area Weightage @ 6%	13.32							
	Total	**235.32**							
13	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 114 / I. 15.33 PWD SR - 2015-16).**	Sqm							
			Qty Vide Item No. 11+12				**52.88**	25.44	**1345.00**
	Basic Rate	24.00							
	Area Weightage @ 6%	1.44							
	Total	**25.44**							
14	KSRB 15.3.8: Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.16 / PWD SR 2015-16** (Out side Wall)	Sqm							
	Out Side		2	6.10		2.80	34.16		
			2	3.65		2.80	20.44		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							54.60		
	D		1	1.20		2.10	2.52		
	W 1		1	1.20		1.20	1.44		
							-3.96		
							50.64	222.60	**11272.00**
	Basic Rate	210.00							
	Area Weightage @ 6%	12.60							
	Total	**222.60**							
15	KSRB 8.7-5: Providing and fixing position 12mm thick plaster of paris (Gypsum anhydrous) for ceiling flat surface with ceiling tiles upto a height of 5 m above floor level over wooden frames and rendered smooth with plaster of paris (frame work to be measured and paid for separately) including cost of materials, labour, complete as per specifications. **Page No. 48 / Item No. 8.24 / PWD SR 2015-16**	Sqm							
			1	16.20	12.40		200.88		
	POP Cornice		2	4.60			9.20		
			2	4.60			9.20		
			2	9.14			18.28		
			2	9.14			18.28		
							255.84	988.98	**253021.00**
	Basic Rate	933.00							
	Area Weightage @ 6%	55.98							
	Total	**988.98**							
16	KSRB 15.15.2: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. **with Primer Page No.116 / Item No. 15.51.2 / PWD SR**	Sqm							
			Qty Vide Item No.11+12				52.88		
							52.88	90.10	**4765.00**
	Basic Rate	85.00							
	Area Weightage @ 6%	5.10							
	Total	**90.10**							
17	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **with Primer Page No.117 / Item No. 15.53.2 / PWD SR 2015-16**	Cum							
			Qty Vide Item No.14				50.64		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Ground Floor + First Floor		2	16.20		6.20	200.88		
			2	12.40		6.20	153.76		
	Deduction								
	Doors		2	1.20		2.10	-5.04		
	Windows		12	1.20		1.50	-21.60		
	V		2	0.60		0.45	-0.54		
							378.10	83.74	**31662.00**
	Basic Rate	79.00							
	Area Weightage @ 6%	4.74							
	Total	**83.74**							
18	KSRB 14.14-5: providing Ceramic tiles of size 15 x 15Cms approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. **Page No. 106 / Item No. 14.36.1 / PWD SR 2015-16**	Sqm							
	Toilet		1	2.00	1.40		2.80		
	Toilet		1	2.00	1.20		2.40		
	Old Toilet		1	2.00	1.40		2.80		
			1	2.00	1.20		2.40		
							10.40	924.32	**9613.00**
	Basic Rate	872.00							
	Area Weightage @ 6%	52.32							
	Total	**924.32**							
19	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. **Page No. 106 / Item No. 14.41.1 / PWD SR 2015-16**	Sqm							
	Toilet		2	2.00	2.00		8.00		
			2	1.40	2.00		5.60		
	Health Room Toilet		2	2.00	2.00		8.00		
			2	1.20	2.00		4.80		
							26.40		
	Deduction Doors		4	0.75	2.00		-6.00		
							-6.00		
							20.40	1037.74	**21170.00**
	Basic Rate	979.00							
	Area Weightage @ 6%	58.74							
	Total	**1037.74**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal Type) with black solid plastic seat and lid, C. P. brass hinges, rubber buffers. 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours complete as per specifications. KBS 11 Specification No. KBS 11 **Page No. 77 / Item No. 12.5 PWD SR 2015-16**	Each							
			4				**4**	5279.86	**21119.00**
	Basic Rate	4981.00							
	Area Weightage @ 6%	298.86							
	Total	**5279.86**							
21	KSRB 11.11.1 : Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. **Page No. 80 / Item No. 12.23 PWD SR 2015-16**	Unit							
			2				**2**	3931.54	**7863.00**
	Basic Rate	3709.00							
	Area Weightage @ 6%	222.54							
	Total	**3931.54**							
22	Providing and fixing chlorinated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete(internal work exposed on wall), **2025 (32 mmOD) pipe Page No. 95 / Item No. 13.83.4 / PWD SR 2015-16**	M							
			1	30.00			30.00		
							30.00	471.70	**14151.00**
	Basic Rate	445.00							
	Area Weightage @ 6%	26.70							
	Total	**471.70**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 13-6.2.2: Providing and fixing in position brass stop cock of approved quality **20mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3 **Page No. 91 / Item No. 13.27 / PWD SR 2015-16**	Each							
			8				8		
							8	169.60	**1357.00**
	Basic Rate	160.00							
	Area Weightage @ 6%	9.60							
	Total	**169.60**							
24	KSRB 11-18-1.1: Providing and fixing sand cast iron soil waste and vent pipes 100mm dia with spun yarn soaked in cement slurry and cement mortar 1:2 including cost of materials, labour complete as per specifications. KBS 11.1.10 **Page No. 83 / Item No. 12.47 PWD SR 2015-16**	m							
			6	3.00			18.00		
							18.00	743.06	**13375.00**
	Basic Rate	701.00							
	Area Weightage @ 6%	42.06							
	Total	**743.06**							
25	KSRB 11-18-2.1: Providing and fixing sand cast iron soil waste bends 100mm dia with access door, insertion of rubber washers 3mm thick bolts and nut, with spun yarn soaked in cement Slurry and cement mortar 1:2 including cost of materials, labour, testing complete as per specifications. **Page No. 83 / Item No. 12.50 PWD SR 2015-16**	Each							
			5				5		
							5	553.32	**2767.00**
	Basic Rate	522.00							
	Area Weightage @ 6%	31.32							
	Total	**553.32**							
26	KSRB 11-18-19.2: providing and fixing M.S. stays and clamps for sand cast iron pipes of 75mm dia including cost of materials, labour complete as per specifications. **Page No. 87 / Item No. 12.100 PWD SR 2015-16**	No							
			5				5		
							5	210.94	**1055.00**
	Basic Rate	199.00							
	Area Weightage @ 6%	11.94							
	Total	**210.94**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). 12.5 cms x 7.5 cms, **Page No. 88 / Item No. 12.113.2 PWD SR 2015-16**	Each							
			4				4		
							4	302.10	**1208.00**
	Basic Rate	285.00							
	Area Weightage @ 6%	17.10							
	Total	**302.10**							
28	Miscesalaneous Charges	L/S							**954.00**
								Total	**1000000.00**
	(Rupees Ten Lakhs Only)								

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092
14/12/15

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 10 Lakhs
Head of A/c P-1771
Div. Ref. No. 179 Date. 14.12.15
AE
EE(BTP)
14/12

TECHNICAL SANCTION
Accorded For Rs. 10 Lakhs
Head of A/c P-1771
Div. Ref. No. 188 Date. 14.12.15
AE
EE(BTP)
15/12